

Appl. No. 10/706,103
Docket No. 9118M2
Amdt. dated October 3, 2006
Reply to Office Action mailed on May 5, 2006
Customer No. 27752

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AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): An oral care dentifrice composition comprising:

- a. from about 30% to about 65%, by weight of the composition, of a water insoluble, particulate retentive agent having a water solubility of less than about 1g/30g at 25°C;
- b. an oral care active;
- c. a surfactant;
- d. a buffer;

wherein the composition is a chewable dentifrice solid unit dosage form, is non-effervescent, non-cariogenic; and wherein the composition ~~has a Retention Index of from about 1 to about 4~~ is visible on 2 to 3 molar or premolar surfaces to greater than 7 molar or premolar surfaces for 5 minutes to about 60 minutes after a human subject chews two tablets of the composition for about 5 to 30 seconds, brushes his or her teeth for about 30 seconds, expectorates the slurry created from the brushing, and then rinses with about 10 mls of water and expectorates again.

Claim 2 (original): The composition of claim 1 wherein the retentive agent has a water solubility of less than about 1g/100g at 25°C.

Claim 3 (currently amended): The composition of claim 1 wherein ~~the Retention Index is from about 2 to about 4~~ the composition is visible on 4 to 5 molar or premolar surfaces to greater than 7 molar or premolar surfaces for 5 minutes to about 60 minutes.

Claim 4 (original): The composition of claim 2 wherein from about 0.5% to about 20% by weight of the initial composition deposits in some of the tooth surfaces after chewing by the subject.

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Claim 5 (canceled):

Claim 6 (currently amended): The composition of claim 5 wherein the retentive agent is selected from the group consisting of ~~calcium carbonate, mica, titanated mica, magnesium carbonate, talc (magnesium silicate),~~ magnesium aluminum silicate, kaolin (aluminum silicate), ~~titanium dioxide, zinc oxide, polyethylene powder, polystyrene powder,~~ bismuth oxychloride, and mixtures thereof.

Claim 7 (currently amended): The composition of claim 6 wherein retentive agent is ~~selected from the group consisting of calcium carbonate, magnesium carbonate, talc (magnesium silicate), magnesium aluminum silicate, and mixtures thereof.~~

Claim 8 (original): The composition of claim 1 wherein the oral care active agent is selected from the group consisting of anticalculus agent, fluoride ion source, antimicrobial agents, dentinal desensitizing agents, anesthetic agents, antifungal agents, anti-inflammatory agents, selective H-2 antagonists, anticaries agents, remineralization agents, whitening agents, antierosion agents, vitamins, minerals, and mixtures thereof.

Claim 9 (original): The composition of claim 8 wherein the active agent is a fluoride ion source providing from about 200 ppm to about 300 ppm of fluoride ion.

Claim 10 (original): The composition of claim 1 wherein the solid unit dosage form is a compressed tablet.

Claim 11 (original): The composition of claim 1 wherein the buffer is selected from the group consisting of water soluble buffers, sodium bicarbonate, sodium carbonate, phosphate buffers, amino acid buffers, alanine, glycine, trisodium phosphate, disodium phosphate, disodium hydrogen phosphate, sodium dihydrogen phosphate, tris(hydroxymethyl) aminomethane, tetrasodium pyrophosphate, disodium

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pyrophosphate; tetrapotassium pyrophosphate, salts of tripolyphosphate, and mixtures thereof.

Claim 12 (currently amended): An oral care kit comprising:

- a. an oral care dentifrice composition for topical, oral administration in a human or other animal comprising:
 1. from about 30% to about 65%, by weight of the composition, of a water insoluble, particulate retentive agent having a water solubility of less than about 1g/30g at 25°C; and
 2. an oral care active;
 3. a surfactant;
 4. a buffer;
- b. instructions for use to chew the composition and thereafter brush the teeth, and observe the composition visibly on 2 to 3 molar or premolar surfaces to greater than 7 molar or premolar surfaces for 5 to about 60 minutes after brushing; and
- c. a container;

wherein the composition is a chewable dentifrice solid unit dosage form, is non-effervescent, and non-cariogenic.

Claim 13 (currently amended): A method of buffering the oral cavity saliva or environment on or at the tooth surfaces of a subject in need thereof, to a pH from about 7 to about 12, for at least about 2 minutes, by administering topically to the oral cavity, an oral care composition according to Claim 1, the composition comprising:

- ~~a. from about 30% to about 65%, by weight of the composition, of a water insoluble, particulate retentive agent having a water solubility of less than about 1g/30g at 25°C;~~
- ~~b. an oral care active;~~
- ~~c. a surfactant;~~
- ~~d. a buffer;~~

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~~wherein the composition is a chewable dentifrice solid unit dosage form, non-effervescent, non-cariogenic and wherein the composition has a Retention Index of from about 1 to about 4.~~

Claim 14 (currently amended): A method of providing sustained delivery of an oral care active for at least about 5 minutes, in the oral cavity of a subject in need thereof, for treatment or prevention of an oral condition alone or for promoting whole body health, by administering topically, an oral care dentifrice composition according to Claim 1- comprising:

- ~~a. from about 30% to about 65%, by weight of the composition, of a water-insoluble, particulate retentive agent having a water solubility of less than about 1g/30g at 25°C;~~
 - ~~b. an oral care active;~~
 - ~~c. a surfactant;~~
 - ~~d. an oral care carrier selected from the group consisting of a flavor sensate, buffer or mixtures thereof;~~
- ~~wherein the composition is a chewable solid unit dosage form, non-effervescent, and non-cariogenic.~~

Claim 15 (original): The method of claim 13 wherein the retentive agent has a water solubility of less than about 1g/100g at 25°C.

Claim 16 (currently amended): A method of providing sustained delivery to one or more tooth surfaces of a subject by administering topically, an oral care dentifrice composition comprising:

- a. from about 30% to about 65%, by weight of the composition, of a water insoluble, particulate retentive agent having a water solubility of less than about 1g/30g at 25°C.
- b. an oral care active;

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c. a surfactant;

d. an oral care carrier selected from the group consisting of a flavor, sensate, buffer, and mixtures thereof;

wherein the composition is a chewable solid unit dosage form, non-effervescent, and non cariogenic and wherein the subject chews the oral care dentifrice composition and a Retention Index of from about 1 to about 4 is measured and the composition is visible on 2 to 3 molar or premolar surfaces to greater than 7 molar or premolar surfaces for 5 minutes to about 60 minutes after a subject chews two tablets of the composition for about 5 to 30 seconds, brushes his or her teeth for about 30 seconds, expectorates the slurry created from the brushing, and then rinses with about 10 mls of water and expectorates again.

Claim 17 (original): The method of claim 16 wherein the retentive agent has a water solubility of less than about 1g/100g at 25°C.